

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements and Asphaltting to roads at Narasipura 1st Stage in ward No 09 in Vidyaranyapura sub Division.

			Estimate Cost:					4900000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 138 / Item No. 19.1/ PWD SR 2014-15	Cum							
	Drain Desilting								
	Main Road		2	120.00	0.60	0.45	64.80		
	7th Cross Narasipura Layout		2	125.00	0.60	0.45	67.50		
	7th A Cross Narasipura Layout		2	125.00	0.60	0.45	67.50		
	8th Cross Narasipura Layout		2	95.00	0.60	0.45	51.30		
	8th A Cross Narasipura Layout		2	120.00	0.60	0.45	64.80		
	9th Cross Narasipura Layout		2	62.00	0.60	0.45	33.48		
	9th A Cross Narasipura Layout		2	120.00	0.60	0.45	64.80		
	10th Cross Narasipura Layout		2	25.00	0.60	0.45	13.50		
	10th A Cross Narasipura Layout		2	120.00	0.60	0.45	64.80		
	11th Cross Narasipura Layout		2	130.00	0.60	0.45	70.20		
	Cross Road		2	50.00	0.60	0.45	27.00		
	Berm Cutting								
	Main Road		2	120.00	1.00	0.20	48.00		
	7th Cross Narasipura Layout		2	125.00	1.00	0.20	50.00		
	7th A Cross Narasipura Layout		2	125.00	1.00	0.20	50.00		
	8th Cross Narasipura Layout		2	95.00	1.00	0.20	38.00		
	8th A Cross Narasipura Layout		2	120.00	1.00	0.20	48.00		
	9th Cross Narasipura Layout		2	62.00	1.00	0.20	24.80		
	9th A Cross Narasipura Layout		2	120.00	1.00	0.20	48.00		
	10th Cross Narasipura Layout		2	25.00	1.00	0.20	10.00		
	10th A Cross Narasipura Layout		2	120.00	1.00	0.20	48.00		
	11th Cross Narasipura Layout		2	130.00	1.00	0.20	52.00		
	Cross Road		2	50.00	1.00	0.20	20.00		
							1026.48	75.60	77602.00
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	75.60							
2	Removing B.S Slab of Drain and stacking Page No. 25 / Item No. 5.32 / PWD SR 2014-15	Sqm							
	Main Road		2	120.00	0.90		216.00		
	7th Cross Narasipura Layout		2	125.00	0.90		225.00		
	7th A Cross Narasipura Layout		2	125.00	0.90		225.00		
	8th Cross Narasipura Layout		2	95.00	0.90		171.00		
	8th A Cross Narasipura Layout		2	120.00	0.90		216.00		
	9th Cross Narasipura Layout		2	62.00	0.90		111.60		
	9th A Cross Narasipura Layout		2	120.00	0.90		216.00		
	10th Cross Narasipura Layout		2	25.00	0.90		45.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	10th A Cross Narasipura Layout		2	120.00	0.90		216.00		
	10th Cross Narasipura Layout		2	130.00	0.90		234.00		
	Cross Road		2	50.00	0.90		90.00		
							1965.60	58.32	114634.00
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	58.32							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25 / Item No. 5.33 / PWD SR 2014-15	Sqm							
							Qty Vide Item No. 2	1965.60	75.60
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	75.60							
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31 / PWD SR 2014-15	Sqm							
	Covering Bottom		1	100.00	1.20		120.00		
			1	50.00	0.60		30.00		
			1	60.00	0.60		36.00		
			1	80.00	0.60		48.00		
	Covering Sides		2	100.00		0.15	30.00		
			2	50.00		0.15	15.00		
			2	60.00		0.15	18.00		
			2	80.00		0.15	24.00		
							321.00	292.68	93950.00
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	292.68							
5	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. Page No. 18 / Item No. 4.48 / PWD SR 2014-15	Cum							
	Covering Slab		1	100.00	1.50	0.15	22.50		
			1	50.00	0.90	0.10	4.50		
			1	60.00	0.90	0.10	5.40		
			1	80.00	0.90	0.10	7.20		
							39.60	5847.12	231546.00
	Basic Rate	5414.00							
	Area Weightage @ 8%	433.12							
	Total	5847.12							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2014-15	Tonne							
			0.075	39.60			2.97	78351.84	232705.00
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	78351.84							
8	KSRRB 300-47: scarifying kankar/gravel/metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges complete as per specifications MORTH chapter 3, No. 143 / Item No. 19.53 / PWD SR 2014-15	Sqm							
	Main Road		2	120.00	2.50		600.00		
	7th Cross Narasipura Layout		1	125.00	8.00		1000.00		
	7th A Cross Narasipura Layout		1	125.00	7.40		925.00		
	8th Cross Narasipura Layout		1	95.00	7.50		712.50		
	8th A Cross Narasipura Layout		1	120.00	7.50		900.00		
	9th Cross Narasipura Layout		1	62.00	6.50		403.00		
	9th A Cross Narasipura Layout		1	120.00	6.70		804.00		
	10th Cross Narasipura Layout		1	25.00	7.30		182.50		
	10th A Cross Narasipura Layout		1	120.00	6.70		804.00		
	11th Cross Narasipura Layout		1	130.00	7.60		988.00		
	Cross Road		1	50.00	5.40		270.00		
							7589.00	22.68	172119.00
	Basic Rate	21.00							
	Area Weightage @ 8%	1.68							
	Total	22.68							
9	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications Page No. 154 / Item No. 20.18 PWD SR - 2014-15.	Cum							
	UGD Cutting Portion								
	Main Road		2	120.00	2.50	0.20	120.00		
	7th Cross Narasipura Layout		1	125.00	8.00	0.15	150.00		
	7th A Cross Narasipura Layout		1	125.00	7.40	0.15	138.75		
	8th Cross Narasipura Layout		1	95.00	7.50	0.15	106.88		
	8th A Cross Narasipura Layout		1	120.00	7.50	0.15	135.00		
	9th Cross Narasipura Layout		1	62.00	6.50	0.15	60.45		
	9th A Cross Narasipura Layout		1	120.00	6.70	0.15	120.60		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	10th Cross Narasipura Layout		1	25.00	7.30	0.15	27.38		
	10th A Cross Narasipura Layout		1	120.00	6.70	0.15	120.60		
	11th Cross Narasipura Layout		1	130.00	7.60	0.15	148.20		
	Cross Road		1	50.00	5.40	0.15	40.50		
							1168.35	1438.56	1680742.00
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	1438.56							
10	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, Page No. 157 / Item No. 21.6 / PWD SR 2014-15	Sqm							
	Main Road		1	120.00	10.00		1200.00		
	7th Cross Narasipura Layout		1	125.00	8.00		1000.00		
	7th A Cross Narasipura Layout		1	125.00	7.40		925.00		
	8th Cross Narasipura Layout		1	95.00	7.50		712.50		
	8th A Cross Narasipura Layout		1	120.00	7.50		900.00		
	9th Cross Narasipura Layout		1	62.00	6.50		403.00		
	9th A Cross Narasipura Layout		1	120.00	6.70		804.00		
	10th Cross Narasipura Layout		1	25.00	7.30		182.50		
	10th A Cross Narasipura Layout		1	120.00	6.70		804.00		
	11th Cross Narasipura Layout		1	130.00	7.60		988.00		
	Cross Road		1	50.00	5.40		270.00		
							8189.00	31.32	256479.00
	asper Revised Basic Rate	29.00							
	Area Weightage @ 8%	2.32							
	Total	31.32							
12	KSRRB M500-18: Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. with 100-120 TPH capacity H.M.P with sensor paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen Page No. 159 / Item No. 21.20.2 / PWD SR 2014-15	Cum							
	Main Road		1	120.00	10.00	0.025	30.00		
	For Depression Filling @ 15%						4.50		
	7th Cross Narasipura Layout		1	125.00	8.00	0.025	25.00		
	7th A Cross Narasipura Layout		1	125.00	7.40	0.025	23.13		
	8th Cross Narasipura Layout		1	95.00	7.50	0.025	17.81		
	8th A Cross Narasipura Layout		1	120.00	7.50	0.025	22.50		
	9th Cross Narasipura Layout		1	62.00	6.50	0.025	10.08		
	9th A Cross Narasipura Layout		1	120.00	6.70	0.025	20.10		
	10th Cross Narasipura Layout		1	25.00	7.30	0.025	4.56		
	10th A Cross Narasipura Layout		1	120.00	6.70	0.025	20.10		

Sl. No	Description	Unit	No	L	B	D	Qty	Rate	Amount
	11th Cross Narasipura Layout		1	130.00	7.60	0.025	24.70		
	Cross Road		1	50.00	5.40	0.025	6.75		
							209.23	8475.84	1773358.00
	as per Revised Basic Rate	7848.00							
	Area Weightage @ 8%	627.84							
	Total	8475.84							
13	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
						Vide Item No. 1	923.83	73.57	67966.00
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	73.57							
14	Sub Total								4849700.00
15	For Third Part QC inspection Charges @ 1% of Estimate Cost								48497.00
16	Miscellaneous and other Charges	L/S							1803.00
								Total	4900000.00
(Rupees Fourty Nine Lakhs)									

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2014-15.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

[Signature]
Assistant Engineer
W-3

[Signature]
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayanyapura Sub Division

[Signature]
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs **49.00 Lakhs**
Rupees **Fourty Nine Lakhs**

Under **P-3089**

Technical Sanction
Accorded For **49.00 Lakhs R.**
Head of A/C **P-3089**
CER NO **48** Dt: **21.8.15**

[Signature]
TA
CE (YNK)

Registered as EE () No **9**
Subject to conditions contained in
enclosed memo EE () No **13**
Dt **21/8/15** Estimate A/Sanctioned
No **30** 2015-16
dated **20/8/2015** Rs **49.00 Lakhs**

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92